

A BIBLIOGRAPHY OF SELECTED ITEMS

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TODAY'S ISSUES: WATER SUBSIDIES, IRRIGATION & AGRICULTURE IN THE WEST

Compiled by Rebecca Christie, Washington State Library staff

SELECTED BOOKS AND GOVERNMENT DOCUMENTS

Ayer, Harry W. and others. **Crop-Water Production Functions and Economic Implications for Washington**. U.S. Department of Agriculture, 1983. 30 p. (ERS Staff Report AGES830314)
MICROFICHE A 93:44:AGES 830314

Bernardo, Daniel J. and Norman K. Whittlesey. **Factor Demand in Irrigated Agriculture under Conditions of Restricted Water Supplies**. U.S. Department of Agriculture, 1989. 13 p. (ERS Technical Bulletin 1765)
MICROFICHE A 1.36:1765

Columbia Basin Project, Washington: Adams, Douglas, Franklin, Grant, Lincoln, and Walla Walla Counties. U.S. Bureau of Reclamation, Pacific Northwest Region, 1992. 24 p.
I 27.2:C 72/15/992

Cross, Paul R. "Benefits of Flexible Irrigation Water Supply." **Journal of Irrigation and Drainage Engineering**, September/October 2000. p. 275-278. [WSL]
X 620.6 Am35p v126no5 DE

Elder, Eric Ernest. **Economic Impacts of Irrigation Development in Washington**. Washington State University dissertation, 1985. 236 leaves.
NW 333.913 ELDER 1985

English, Marshall and others. "Deficit Irrigation II: Observations in Columbia Basin." **Journal of Irrigation and Drainage Engineering**, May/June 1990. p. 413-426.
X 620.6 Am35p v. 116, no. 3 IR 1990

Fiege, Mark. **Irrigated Eden: The Making of an Agricultural Landscape in the American West**. University of Washington Press, 1999. 323 p.
NW 333.913 FIEGE 1999

Goethals, George W. and Company. **Columbia Basin Irrigation Project, State of Washington**. Frank M. Lamborn, Public Printer, 1922. 56 p.
WA 333.7 C72c (LIBRARY USE ONLY)

Halverson, Philip Bernard. **Economic Impact of Interruptible Water Markets on Columbia Basin Project Irrigated Agriculture**. Washington State University dissertation, 1990. 255 leaves.

NW 338.162 HALVERS 1990

Hoffmann, Thomas R. and Gayle S. Willett. **The Economics of Alternative Irrigation Systems in the Kittitas Valley of Washington State**. Washington State University Cooperative Extension, 1998. 24 p. (Extension Bulletin 1875)
WA 378.5 Ex8e 1875 1998

"Irrigation in the Pacific Northwest: Environmental Demands, Tribal Treaty Rights, and Institutional Change." IN **A New Era for Irrigation**. National Research Council, 1996. p. 150-159.
631.587 NEW ERA 1996

MacDonnell, Lawrence J. **From Reclamation to Sustainability: Water, Agriculture, and the Environment in the American West**. University Press of Colorado, 1999. 385 p.
333.91 MACDONN 1999

Ortolano, Leonard and Katherine Kao Cushing. **Grand Coulee Dam and Columbia River Basin Project USA: Final Report**. World Commission on Dams, 2000. 1 vol.
354.36 ORTOLAN 2000

Stewart, B. A. and D. R. Nielsen, editors. **Irrigation of Agricultural Crops**. American Society of Agronomy, 1990. 1218 p.
631.587 IRRIGAT 1990

U.S. Bureau of Reclamation. **Insuring Proper Land Use**. U.S. Department of the Interior, 1945. (Columbia Basin Joint Investigations Problem 3)
RARE NW 333.78 COLUMBI no. 3 1945 (LIBRARY USE ONLY)

Wahl, Richard W. **Markets for Federal Water: Subsidies, Property Rights, and the Bureau of Reclamation**. Resources for the Future, 1989. 308 p.
333.91 WAHL 1989

Weatherford, Gary D, editor. **Water and Agriculture in the Western U.S.: Conservation, Reallocation, and Markets**. Westview Press, 1982. 269 p.
333.91 WATER A 1982

Weeks, Eldon E. and A. W. Peterson. **Interindustry Economic Effects of Future Irrigation Development of the Columbia Basin Project**. Washington State University Cooperative Extension, 1967. 16 p. (Extension Mimeo EM 2863)]
WA 378.5 Ex8emz 2863 1967

Whittlesey, Norman K., editor. **Energy and Water Management in Western Irrigated Agriculture**. Westview Press, 1986. 415 p.
333.913 ENERGY 1986

Willey, Zach and Adam Diamont. **Using Water Prices to Encourage Conservation: The Design and Evaluation of Water Rates for Irrigation Districts in the State of Washington**. Environmental Defense Fund, 1995.
333.917 USING W 1995 [at Natural Resources Building Branch Library]

"The Yakima Basin in Washington: Will Transfers Occur Without Judicial or Legislative Pressures?" IN **Water Transfers in the West: Efficiency, Equity, and the Environment**. National Research Council, 1992. p. 182-193.
333.91 WATER T 1992

SELECTED JOURNAL AND NEWSPAPER ARTICLES

[Full-text articles are available electronically to Washington State Government Employees through the Ebsco and ProQuest databases. The database(s) are listed at the end of each citation. The notation WSL means that the Washington State Library owns the journal.]

Benson, Reed D. "Water Rights Deals, Water Law Reform: Restoring Water to Northwest Rivers." **Illahee**, Spring-Summer 1995. p. 12-16. [WSL]

Caswell, Margriet and Erik Lichtenberg. "The Effects of Pricing Policies on Water Conservation and Drainage." **American Journal of Agricultural Economics**, November 1990. p. 883+. [Ebsco]

Faux, John and Gregory M. Perry. "Estimating Irrigation Water Value Using Hedonistic Price Analysis: A Case Study in Malheur County, Oregon." **Land Economics**, August 1999, p. 440-452. [WSL]

Glantz, Michael H. "Consequences and Responsibilities in Drought Forecasting: The Case of Yakima, 1977." **Water Resources Research**, February 1982. p. 3-13. [WSL]

Hamilton, Joel R. and others. "Modeling the Reallocation of Snake River Water for Endangered Salmon." **American Journal of Agricultural Economics**, v. 81, no. 5, 1999. p. 1252-1256. [WSL]

Hansen, Dan. "BPA Customers Subsidize Irrigators: Millions in Aid was Federal Plan to Help Region's Small Farmers." **Spokesman Review**, January 15, 2000, p. B1, B8. [WSL, ProQuest]

Huffaker, R. and others. "Evaluating the Effectiveness of Conservation Water-Pricing Programs." **Journal of Agricultural and Resource Economics**. July 1998. p. 12-19. [WSL]

Huffaker, Ray G. "Encouraging Water Marketing under Prior Appropriation." **Illahee**, Spring-Summer 1995. p. 87-93. [WSL]

Michelsen, Ari M. and others. "Emerging Agricultural Water Conservation Price Incentives." **Journal of Agricultural and Resource Economics**, July 1999. p. 222-238. [WSL]

Moore, Michael R. "The Bureau of Reclamation's New Mandate for Irrigation Water Conservation: Purposes and Policy Alternatives." **Water Resources Research**, February 1991. p. 145-155. [WSL]

Quinn, Beth. "Water Fight May Go to the Top: Klamath Basin Irrigators could ask the Bush Administration to Protect Their Farms over Two Endangered Fish Species This Year." **Oregonian**, March 15, 2001. p. B1, B7. [WSL, ProQuest]

Smith, Rodney T. "Water Transfers, Irrigation Districts, and the Compensation Problem." **Journal of Policy Analysis and Management**, Summer 1989. p. 446-465. [WSL]

Virgin, Bill. "BPA May Buy Back Electricity, Water Proposal Would Allow Such Purposes from Irrigation Farmers." **Seattle Post-Intelligencer**, February 16, 2001. p. E1, E2. [WSL, ProQuest]

Weinberg, Marca and Catherine L. Kling. "Uncoordinated Agricultural and Environmental Policy Making: An Application to Irrigated Agriculture in the West." **American Journal of Agricultural Economics**, February 1996. p. 65-78. [WSL]

Whittlesey, Norman K. and others. "Water Project Subsidies: How They Develop and Grow." **Illahee**, Spring-Summer 1995. p. 77-86. [WSL]

Willis, David B. and Norman K. Whittlesey. "The Effect of Stochastic Irrigation Demands and Surface Water Supplies on On-Farm Water Management." **Journal of Agricultural and Resource Economics**, July 1998. p. 206-224. [WSL]

Willis, David B. and Norman K. Whittlesey. "Water-Management Policies for Streamflow Augmentation in an Irrigated River Basin." **Journal of Agricultural and Resource Economics**, July 1998. p. 170-190. [WSL]

Willis, David B. and others. "The Effects of Water Rights and Irrigation Technology on Streamflow Augmentation Cost in the Snake River Basin." **Journal of Agricultural and Resource Economics**, July 1998. p. 225-243. [WSL]

SELECTED INTERNET SITES - Accessed April 2001

Sustainable Agriculture Research and Education (SARE), Western Region.

The mission of SARE is to expand knowledge and adoption of sustainable agriculture practices that are economically viable, environmentally sound and socially acceptable.

<http://wsare.usu.edu/index.htm>

State of Washington Water Research Center (SWWRC).

Site includes a list of publications on water use.

<http://www.wsu.edu/swwrc/>

TEKTRAN. Soil-Water-Plant Interactions.

Site has links to publications on soil-water-plant interactions.

http://www.nal.usda.gov/ttic/tektran/categoryV3/Soil-Water-Plant_Interactions.html

U.S. Census of Agriculture. Washington State-Level Data.

Site contains 1997 data on agricultural commodities, irrigated and non-irrigated farms, and subsidies.

<http://www.nass.usda.gov/census/census97/volume1/wa-47/toc97.htm>

U.S. Department of Agriculture. Economic Research Service. Irrigation & Water Use.

Excellent site has links to studies and readings on water use in the Northwest.

<http://www.ers.usda.gov/Briefing/wateruse>

U.S. Department of Agriculture. Natural Resources Conservation Service. National Water Management Center.

NWMC consists of an interdisciplinary, multi-agency team of national consultants helping implement water-related projects.

<http://www.info.usda.gov/nrcs/sandt/centers/waterman.htm>

U.S. Environmental Protection Agency. Office of Wastewater Management. Water Efficiency Measures for Agricultural Districts.

Provides incentives for on-farm water efficiency measures. Site links to document, "Achieving Water Efficient Management."

<http://www.epa.gov/owm/agritips.htm>

University of California, Los Angeles. Department of Economics. Literature on Water Markets.

Bibliography of selected papers and books concerning markets for water. 1998.

<http://www.sscnet.ucla.edu/ssc/labs/cameron/nrs98/wtrmkt97.htm>

Washington Agricultural Statistics Service.

<http://www.nass.usda.gov/wa/>

Washington State University. Center for Sustaining Agriculture and Natural Resources (CSANR).

CSANR provides a focal point for addressing issues, practices, and technologies relating to agriculture and natural resource viability.

<http://csanr.wsu.edu/>

Washington State University. Farm Management On-Line Publications.

Links to publications on enterprise budgets and costs/returns for irrigated and non-irrigated crops.

<http://farm.mngt.wsu.edu/onlinepub.html>

Washington State University. STEEP (Solutions to Environmental and Economic Problems).

An interdisciplinary research/education program focusing on developing profitable cropping systems technologies for controlling cropland soil erosion and protecting surface and groundwater.

<http://pnwsteep.wsu.edu/>

Washington State Water Resources Association (WSWRA).

Web site of the coordinating agency for 97 irrigation districts providing water to over 1 million acres of irrigated agriculture in Washington.

<http://www.efcom.com/wswra/index.htm>

Water Quality Information Center (WQIC). Drought and Water Allocation.

A bibliography of 71 articles on water allocation as it relates to drought and water shortages, compiled by Mary Stevanus, National Agricultural Library. 1999.

<http://www.nal.usda.gov/wqic/Bibliographies/drought.htm>

From the Washington State Library's online catalog (<http://www.statelib.wa.gov>), browse the following subjects:

Agricultural productivity -- Washington (State)
Agriculture -- Columbia River Valley
Agriculture -- Economic aspects
Agriculture -- Washington (State)
Crop yields
Crops and water -- Washington (State)
Federal aid to water resources development -- West (U.S.)
Irrigation -- Economic aspects -- Washington (State)
Irrigation -- Government policy
Irrigation districts -- Washington (State)
Irrigation efficiency -- Northwest, Pacific
Irrigation farming -- Economic aspects -- Washington (State)
Irrigation water -- Washington (State) - Rates
Plant-water relationships
Plants -- Drought resistance
Water conservation -- Economic aspects -- Washington (State)
Water resources development -- Government policy -- West (U.S.)
Water-supply -- Washington (State)
[Name of specific crop, such as Alfalfa, Dried beans, Peas, Potatoes, Winter wheat, Corn, etc.]

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